

MAR 28 2007

FAXCamSoft Corporation
21445 Bundy Canyon Road
Wildomar, CA 92595Date March 28, 2007
Number of pages including cover sheet 11**PATENT No. 10/079,309**

To:

Carlos Ortiz Rodriguez, PTO
David Buccì, Office of Petitions

Phone

Fax Phone 1 **571-273-8300**

Web

From:

Gary Corey

Email

garyc@camsoftcorp.com

Phone

(951) 674-8100

Fax Phone

(951) 674-3110

REMARKS:

☒ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Thank you for the follow-up call yesterday. Per your request, attached is the last written correspondence, acknowledgments and postal receipts after July 2004. Attached items include:

(Pages 1 & 2) Interview Summary where the original examiner provided guidance to Mr. Corey on how to re-format and re-submit the patent application after receiving a non-final notice July 30, 2004. (Postal Postmark included.)

(Pages 3 & 4) Cover sheet and first page dated Sept. 10, 2004 of the complete re-formatted, re-submitted package containing our response to the suggested necessary changes needed to the patent application "too many numerous pages to fax" sent by mail to the patent office.

(Pages 5, 6 & 7) Self-addressed postcard with Patent Office stamp showing receipt of our response for application submittal. (Postmarked envelope from Patent Office included.)

(Pages 8, 9 & 10) See description below for Oct. 6, 2004

The faxed documentation today does not include telephonic inquiries made to the patent office requesting status information, which did not generate either a postal receipt or acknowledgement, including a verbal confirmation from a patent office manager that the re-formatted application and response was indeed received and still under review as of October of 2004. In addition, two other similar inquiries made to the main office and also the Help Desk at the Petition Office in 2006 stating the application was lost and/or pending. These inquiries resulted in a lack of guidance as to whom or where we should contact next.

The collection of faxed documents today does include a fax dated Oct. 6, 2004 to PTO Customer Service (no name listed) at 703-872-9306 that was requested by the main office person we spoke to when we made this inquiry to show that a conversation took place on Sept. 7, 2004 and also documents were faxed to show that we responded to the non-final action with a re-submitted re-formatted patent application on Sept. 10, 2004, which was acknowledged that it was received on the attached postcard dated Sept. 17, 2004. Also, see attached postal postmarks from your office.

Until Mina (patent office manager) and Carlos Ortiz Rodriguez (new examiner) called on March 27, 2007, we had been in limbo as to whom or where we should re-submit the re-formatted application.

This patent is very important to our company and my status in the company. Please be so kind as to provide an address so that we may send the last lost re-formatted patent application.

We express our appreciation for the recent phone calls by Mina and Mr. Rodriguez to follow up on our pending patent application.

MAR 28 2007

Interview Summary	Application No.	Applicant(s)	
	10/079,309	COREY, GARY JOHN	
	Examiner	Art Unit	
	Albert W Paladini	2125	

All participants (applicant, applicant's representative, PTO personnel):

(1) Albert W Paladini.

(3) _____

(2) Mr. Gary John Corey.

(4) _____

Date of Interview: 07 September 2004.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____

Claim(s) discussed: 1-9.

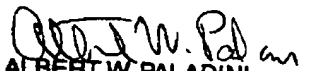
Identification of prior art discussed: None.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

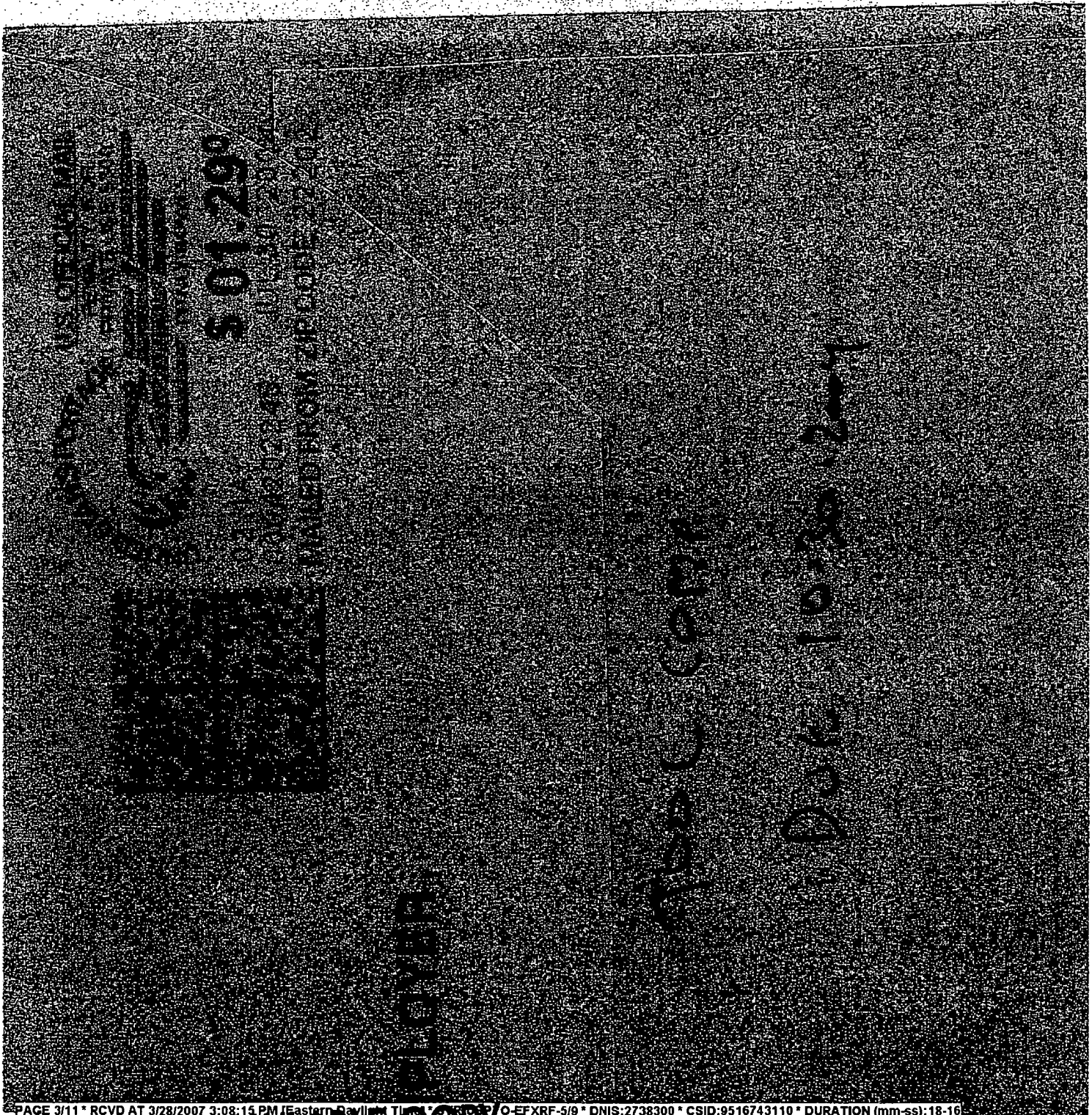
(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


ALBERT W. PALADINI
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

9-23-04
Examiner's signature, if required



Gary Corey
21445 Bundy Canyon Rd.
Wildomar, CA 92595

Mailed via
US Post Office
Sept. 10, 2004

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: Mr. Albert W. Paladini



September 10, 2004

Open PC-Based Machine Tool Controllers
for CNC and Factory Automation
for Power, Price & Ease of Use

Dear Mr. Albert Paladini
Patent Examiner
Fax: 703-746-7239

Application/Control Number: 10/079,309
Art Unit: 2125

Reference: Office Communication dated July 30, 2004

Once again, we want to thank you for providing us examples regarding the proper format in which to submit our "Amendment." Regarding the 35 USC 102 issue of public use or sale activity, you had asked for an explanation of how, when and whom this technology was used. To explain what we meant by stating "Multi-axes Tool compensation has been in development and in field use since 1991 by my customers" is that we created a related technology in this field but it is a different technology in its core approach in several ways.

The related technology was called "Intelligent Post Processor," which was not in a CNC Controller and varies from the new ideas we wish to patent. The technology that we wish to patent has not been used in this form by anyone outside this company while developing the prototype, which was based on ideas from our own "Intelligent Post Processor." We have never sold, lent or released to the public the technology for which we are applying. This field is our company's niche and we are now applying for a new technological approach. Prior to us applying for the patent there were no other companies using or promoting this approach.

We had originally developed a computer program we called the "Intelligent Post Processor." This feature recalculated multi-axes tool positions in an external CAD/CAM drawing system, not in the machine itself. The end user then wrote and downloaded a file in a G code format with the multiple axes positions all pre-determined. Our new approach:

- (1) Is to calculate for Multi-axes Tool Compensation "on the fly."
- (2) Do this calculation inside a machine tool, not external.
- (3) Not to store or pass the compensated positions pre-calculated by geometry alone but rather expand the intelligence of each calculation for compensated tool positions based on many internal factors of the machine such as changes to offset positions, fixture alignments, tool shape, re-sharpened tools, worn tools, physical head dynamics and mechanical styles and types while doing this "on the fly" compensation based on these ever-changing conditions.
- (4) Using artificial intelligence, it keeps a database in the machine's memory by learning from what the machine can do.

We have mailed our amendment to your office today.

Sincerely,

A handwritten signature in dark ink, appearing to read "Gary J. Corey", written over a horizontal line.

Gary J. Corey

21445 Bundy Canyon Drive, Wildomar, California, USA, 92595

Title of Invention: Multi-Axes Tool Compensation – 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

POST CARD
 RECEIPT
 FROM US
 SENDING IN
 RE-FORMATTED
 PATENT
 APPLICATION



- ☐ Nature of Paper being Filed: Amendment
- ☐ Applicant: Gary John Corey
- ☐ Application Filing Date: January 11, 2002
- ☐ Application/Control Number: 10/079,309
- ☐ Invention Title: Multi-Axes Tool Compensation — 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.
- ☐ Substitute Specification Signature Page stating "No New Matter": 1 Page
- ☐ Substitute Specification Amendment (excluding claims & drawings) in Clean Form: 27 Pages
- ☐ Claims in Clean Form: 9 Claims, 5 Pages
- ☐ Amended Drawings in Clean Form: 9 Drawings, 9 Pages
- ☐ Remarks/Arguments Signature Page: 1 Page
- ☐ Specification (Version with Markings to Show Changes Made): 27 Pages
- ☐ Claims (Version with Markings to Show Changes Made): 5 Pages
- ☐ Drawings (Version with Markings to Show Changes Made): 9 Pages
- ☐ Drawings (New Drawing): 1 Drawing (4 Black & White originals), 4 Pages



- ☐ Nature of Paper being Filed: Amendment
- ☐ Applicant: Gary John Corey
- ☐ Application Filing Date: January 11, 2002
- ☐ Application/Control Number: 10/079,309
- ☐ Invention Title: Multi-Axes Tool Compensation — 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.
- ☐ Substitute Specification Signature Page stating “No New Matter”: 1 Page
- ☐ Substitute Specification Amendment (excluding claims & drawings) in Clean Form: 27 Pages
- ☐ Claims in Clean Form: 9 Claims, 5 Pages
- ☐ Amended Drawings in Clean Form: 9 Drawings, 9 Pages
- ☐ Remarks/Arguments Signature Page: 1 Page
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- ☐ Drawings (Version with Markings to Show Changes Made): 9 Pages
- ☐ Drawings (New Drawing): 1 Drawing (4 Black & White originals), 4 Pages

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UNIVERSITY EMPLOYER

FAX

CamSoft Corporation
21445 Bundy Canyon Road
Wildomar, CA 92595

Date October 6, 2004
Number of pages including cover sheet 3

To:

Customer Service
PTO

Phone

Fax Phone 1 703-872-9306

Web

From:

Gary Corey

Email

garyc@camsoftcorp.com

Phone

(951) 674-8100

Fax Phone

(951) 674-3110**REMARKS:**☐ Urgent☒ For your review☐ Reply ASAP☐ Please comment

Attached are an "Interview Summary" mailed to us on September 28, 2004 and our response to this "Interview Summary." Our response is also being mailed to your office today. If there is further action we need to take to properly respond to your "Interview Summary," let us know so that we can fully comply.



Open PC-Based Machine Tool Controllers
for CNC and Factory Automation
for Power, Price & Ease of Use

October 6, 2004

Interview Summary (PTOL-413 Rev. 04-03)

Examiner: Albert W. Paladini

Applicant: Gary John Corey

Date of Interview: September 7, 2004

Application No.: 10/079,309

Art Unit: 2125

Subject: Telephonic Interview between Examiner Mr. Albert W. Paladini and Applicant Mr. Gary John Corey of CamSoft Corporation

Type of interview was telephonic to where there were no exhibits, prior art or demonstrations conducted.

Interview description was basically an impromptu telephone call to clarify proper standard practices of a general nature. Mr. Paladini was neither notified nor pre-aware of the telephone call. Mr. Corey, as President of CamSoft Corporation and overseeing the patent submission, was asking for explanations of what in general topic terms would be needed before submitting a reply to a previous office action. In summary, Mr. Paladini was forthcoming, knowledgeable and summarized the essence of what Mr. Corey was looking for by providing very much needed and appreciated assistance.

Sincerely,

Handwritten signature of Gary J. Corey in black ink.

Gary J. Corey

21445 Bundy Canyon Drive, Wildomar, California, USA, 92595

Title of Invention: Multi-Axes Tool Compensation -- 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

Attachment: Interview Summary

TO: Auto-reply fax to 9516743110 COMPANY: 10/6/2004 12:54 PM PAGE 1/001 Fax Server

Auto-Reply Facsimile Transmission



TO: Fax Sender at 9516743110

Fax Information


Date Received:

Total Pages:

10/6/2004 12:51:02 PM [Eastern Daylight Time]
3 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page
=====>

10/06/2004 09:51	9516743110	CAMSOFT	PAGE 01
FAX		 Camsoft Corporation 21445 Sandy Canyon Road Wildomar, CA 92596	
Date <u>October 6, 2004</u> Number of pages including cover sheet <u>3</u>			
To: <u>Customer Service</u> <u>PTO</u>		From: <u>Gary Corry</u>	
Phone _____ Fax Phone 1 <u>703-672-8100</u> Web _____		Email <u>gcorry@camsoftcorp.com</u> Phone <u>(951) 674-8100</u> Fax Phone <u>(951) 674-3110</u>	
ATTACHED: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please annotate			
Attached are an "Interview Summary" mailed to us on September 28, 2004 and our response to this "Interview Summary." Our response is also being mailed to your office today. If there is further action we need to take to properly respond to your "Interview Summary," let us know so that we can fully comply.			